

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Katsumi ABE

Title: SEMICONDUCTOR DEVICE PROVIDED WITH MATRIX TYPE CURRENT
LOAD DRIVING CIRCUITS, AND DRIVING METHOD THEREOF

Appl. No.: Unassigned

Filing Date: 07/16/2004

Examiner: Unassigned

Art Unit: Unassigned

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.56Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document, except as noted below, is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The USPTO has waived the requirement under 37 CFR 1.98(a)(2)(i) to submit copies of U.S. patents and U.S. patent application publications when citing and submitting an Information Disclosure Statements in a patent application filed after June 30, 2003 and in an international application that has entered the national stage under 37 USC §371 after June 30, 2003. Accordingly, copies of these types of documents are not being supplied in connection with this application. Reference is being made to Pre-OG Notice from Office of Patent Legal Administration dated July 25, 2003, *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003.*

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the date of entry of the national stage as set forth in 37 CFR §1.491.

RELEVANCE OF EACH DOCUMENT

Document A14 discloses a current load device and its driving method.

The relevance of documents A15 and A16 is described in the present specification.

Documents A1 and A13 claim priority based on the same first-filed application.

Documents A2 and A7 claim priority based on the same first-filed application.

Documents A3 and A9 claim priority based on the same first-filed application.

Documents A4 and A14 claim priority based on the same first-filed application.

Documents A5 and A15 claim priority based on the same first-filed application.

Documents A6 and A16 claim priority based the same first-filed application.

English translations of the foreign-language documents are not readily available. However, the absence of such translations does not relieve the PTO from its duty to consider the submitted foreign language documents (37 CFR §1.98 and MPEP §609). English language abstracts are provided herewith.

Documents A7 through A13 listed on the attached PTO/SB/08 was cited as being relevant during the prosecution of the corresponding International application. Copies of the documents are not being provided since copies should have been provided directly by WIPO under an exchange program between the PTO, the EPO and the JPO. A copy of the International Search Report setting forth the portion of each reference considered relevant by the examiner is attached.

Applicant respectfully requests that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

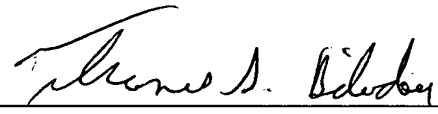
The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Respectfully submitted,

Date: July 16, 2004

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By

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/s/

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: July 16, 2004 <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Unassigned 10/501539
Sheet 1 of 1				Filing Date	07/16/2004
				First Named Inventor	Katsumi ABE
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	072982-0256

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	A1	2001/0048106	A1	TANADA	12-06-2001	
	A2	6,091,203		KAWASHIMA et al.	07-18-2000	
	A3	6,583,775	A1	SEKIYA et al.	06-24-2003	
	A4	2004/0041750	A1	ABE	03-04-2004	
	A5	6,693,301	B2	TAKEMURA	02-17-2004	
	A6	6,610,251	B1	KANNO	08-26-2003	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	A7	JP	11-282419	A	NEC CORP. et al.	10-15-1999		
	A8	JP	5-35221	A	SHARP CORP.	02-12-1993		
	A9	JP	2001-60076	A	SONY CORP.	03-06-2001		
	A10	JP	6-148680	A	HITACHI LTD.	05-27-1994		
	A11	JP	11-109919	A	TOYOTA MOTOR CORP. et al.	04-23-1999		
	A12	JP	2002-358049	A	CANON INC.	12-13-2002		
	A13	JP	2002-40990	A	SEMICONDUCTOR ENERGY LABORATORY CO., LTD. et al.	02-08-2002		
	A14	JP	2003-195811	A	NEC CORP. et al.	07-09-2003		Abs.
	A15	JP	5-107561	A	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.	04-30-1993		Abs.
	A16	JP	2001-25900	A	S R KAIHATSU	09-25-2001		Abs.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.